



Advanced Test Reactor National Scientific User Facility
User's Week 2013 Schedule
June 10-14, 2013
Idaho Falls, ID

Monday, June 10, 2013

Monday, June 10 – University Place, Center for Higher Education (CHE) Building, Room 211

8:00 – 8:30 a.m. Registration and check in

Monday, June 10 – University Place, Center for Higher Education (CHE) Building, Room 211

ATR NSUF User's Week 2013: User's Information Workshop

8:30 – 8:35 a.m.	Welcome and Course Introduction	<i>Frances Marshall</i> Acting Scientific Director, ATR NSUF Idaho National Laboratory
8:35 – 8:45 a.m.	Welcome by DOE-ID	<i>Ray Furstenu</i> Deputy Manager United States Department of Energy-ID
8:45 – 9:00 a.m.	Welcome by INL	<i>Todd Allen</i> Deputy Laboratory Director Idaho National Laboratory
9:00 – 9:30 a.m.	Welcome by User Working Group	<i>Jeff Terry/Peter Wells</i> ATR NSUF User Organization, Chair ATR NSUF Users Organization, Student Rep
9:30 – 9:45 a.m.	ATR NSUF Overview	<i>Frances Marshall</i> ATR NSUF Programs Idaho National Laboratory
9:45 – 10:15 a.m.	Solicitation Overview Partnerships Overview	<i>Mary Catherine Thelen</i> ATR NSUF Programs Idaho National Laboratory
10:15 – 10:45 a.m.	Break	
10:45 – 11:15 a.m.	Education Programs Overview	<i>Jeff Benson</i> ATR NSUF Programs Idaho National Laboratory
11:15 – 12:00 p.m.	Keynote	<i>Kemal Pasamehmetoglu</i> Associate Laboratory Director Nuclear Science and Technology Idaho National Laboratory
12:00 – 1:00 p.m.	Lunch	



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ATR NSUF User's Week: Fuels program overview and Research

1:00 – 2:00 p.m.	Fuels Program Overview	<i>Mitch Meyer</i> Idaho National Laboratory
2:00 – 2:30 p.m.	Understanding U-ZR and U-MO based Metallic Fuels with ATR NSUF Capabilities	<i>Yongho Sohn</i> University of Central Florida
2:30 – 3:00 p.m.	The Application of EBSD measurements To Determine the effect of Grain Characteristics on Mechanical Properties On thin CVD SiC Layer	<i>Isabella van Rooyen</i> Idaho National Laboratory
3:00 – 3:30 p.m.	Break	
3:30 – 4:00 p.m.	MIT project and Partner Review	<i>Gordon Kohse</i> Massachusetts Institute of Technology
4:00 – 4:30 p.m.	Development of Advanced High Density LWR Fuels and Irradiation Plan at ATR	<i>Darryl Butt</i> Boise State University
4:30 – 5:00 p.m.	Understanding Ag Diffusion in SiC for TRISO Fuel Applications	<i>Tyler Gerczak</i> University of Wisconsin

Tuesday, June 11, 2013

Tuesday, June 11 – University Place, Center for Higher Education (CHE) Building, Room 211

ATR NSUF User's Week: LWRS Overview

8:30 – 9:30 a.m.	LWRS Program Overview	<i>Kathy McCarthy</i> Idaho National Laboratory
9:30 – 10:00 a.m.	Effect of Neutron Irradiation on Nanocrystalline Metals	<i>K.L. Murty</i> North Carolina State University
10:00 – 10:30 a.m.	Break	
10:30 – 11:00 a.m.	CAES- MACS Suite Partner overview	<i>Jim Cole</i> Idaho National Laboratory
11:00 – 11:30 a.m.	Atom Probe Tomography of Nuclear Fuels	<i>Michele Manuel</i> University of Florida



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11:30 – 12:00 p.m.	UCSB ATR-1: Current Progress on PIE and Future Plans	<i>Bob Odette</i> University of California, Santa Barbara
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12:00 – 1:00 p.m.	Lunch
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Tuesday, June 11 – University Place, Center for Higher Education (CHE) Building, Room 211

ATR NSUF User's Week: Advanced Reactors

1:00 – 2:00 p.m.	Advanced Reactors Program Overview	<i>Steve Herring</i> Idaho National Laboratory
2:00 – 2:30 p.m.	Tensile performance of Irradiated Iron chromium alloys	<i>Kun Mo</i> University of Illinois
2:30 – 3:00 p.m.	Characterization of Reactor Materials Using Synchrotron Radiation	<i>Meimei Li</i> Argonne National Laboratory
3:00 – 3:30 p.m.	Break	
3:30 – 4:00 p.m.	Westinghouse Partner Overview	<i>Brian Burgos</i> Westinghouse Electric
4:00 – 4:30 p.m.	Overview of Drexel ATR NSUF Experiment	<i>Chris Barr</i> Drexel University
4:30 – 5:00 p.m.	The Purpose, Experimental Design, and Expected Impact of the ATR-NSUF Ultrasonic Transducer Irradiation Experiment	<i>Josh Daw</i> Idaho National Laboratory

Wednesday, June 12, 2013

Users Week INL Site Tour

Participants will spend one day at the INL Site. Tour include: Advanced Test Reactor-Test Train Assembly Facility (ATR) and Hot Fuels Examination Facility –Fuel Assembly Storage Building-Electron Microscopy Laboratory (MFC). Lunch will and tour will be held at EBR-1

(ATR-MFC)

6:45 a.m.	INL bus pick up participants at
7:00 – 8:15 a.m.	Depart hotel and travel to ATR
8:15 – 10:30 a.m.	Tour ATR main floor/canal (ATR) and TTAF (ATR) (will divide into two groups and rotate to each facility)
11:00 – 12:45 p.m.	Lunch and Tour at EBR-1
1:30 – 3:45 p.m.	(MFC) Tour FASB, HFEB, EML (will divide into three groups and then rotate to each facility)
4:00 – 4:45 a.m.	Depart MFC travel to hotel



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Wednesday, June 12 – Center for Advanced Energy Studies (CAES) Gallery

ATR NSUF User's Week 2013: User's week 2013 Social/Poster Session

6:00 – 8:00 p.m. Social/ Poster Session

Thursday, June 13, 2013

Thursday, June 20 – University Place, Center for Higher Education (CHE) Building, Room 211

ATR NSUF User's Week Topical Workshop: Post-Irradiation Examination of Nuclear Fuels and Materials

8:30 – 9:30 a.m.	Trends In PIE with Links to Modeling And Simulation	<i>Steve Hayes</i> Idaho National Laboratory
9:30 – 10:30 a.m.	Development and Performance Testing of Coated Particle Fuel for Very High Temperature Gas-Cooled Reactors	<i>Paul Demkowicz</i> Idaho National Laboratory
10:30 – 11:00 a.m.	Break	
11:00 – 12:00 p.m.	Nondestructive PIE of Metallic Nuclear Fuels	<i>Heather Chichester</i> Idaho National Laboratory
12:00 – 1:30 p.m.	Lunch/Speaker	
1:30 – 2:30 p.m.	Destructive PIE of Fuels	<i>John Carmack</i> Idaho National Laboratory
2:30 – 3:00 p.m.	Break	
3:00 – 4:00 p.m.	Advanced Microstructural Characterization of Irradiated Fuels and Materials	<i>Jian Gan</i> Idaho National Laboratory



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Friday, June 14, 2013

Friday, June 14 – University Place, Center for Higher Education (CHE) Building, Room 211

8:30 – 9:30 a.m.	Irradiated Stress Corrosion Cracking of Materials	<i>Sri Rao</i> Nuclear Regulatory Commission
9:30 – 10:30 a.m.	PIE of LWR Fuel	<i>Erik Mader</i> Electric Power Research Institute
10:30 – 11:00 a.m.	Break	
11:00 – 12:00 p.m.	Transient Testing PIE	<i>Dan Wachs</i> Idaho National Laboratory